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UNITED STATES DEPARTMENT OF AGRICULTURE

MONTHLY LIST OF PUBLICATIONS AND
MOTION PICTURES*

JULY 1948

INSTRUCTIONS: Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publications to defray postage charges.

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BULLETIN OF THE MONTH

Preventing and Removing Mildew . . . Home Methods
Agricultural Information Series 72

Directions are given for preventing mildew and removing molds that commonly develop in muggy, summer weather.

AGRICULTURAL INFORMATION SERIES

Preventing and removing mildew . . . Home methods. Margaret S. Furry. Bureau of Human Nutrition and Home Economics. 10 p., illus. (IS 72.) Price 5¢. *See above.*

How to choose and use your washing machine. V. Enid Sater and Lenore E. Sater. Bureau of Human Nutrition and Home Economics. 15 p., illus. (IS 73.) Price 5¢.

Pointers to look for when buying a washing machine are given. Included also are methods for taking care of washers to get the best service.

FARMERS' BULLETINS

Preparation of fresh tomatoes for market. Raymond L. Spangler. Production and Marketing Administration. 48 p., illus. (F 1291, rev.) Price 5¢.

This revised publication gives methods of harvesting, handling, sorting, and packing of tomatoes for market. Suggestions for growers and shippers to improve their own methods are also given.

Stubble-mulch farming to hold soil and water. F. L. Duley and J. C. Russel. Soil Conservation Service in cooperation with the Nebraska Agricultural Experiment Station. 32 p., illus. Supersedes F 1917 and M 494. (F 1997.) Price 10¢.

This bulletin describes a system of farming in which the residues of the crops grown on the land are used as a mulch to conserve soil and water. Instead of removing, destroying, or plowing under the residue it is left on the surface of the soil. Both the methods and the implements are fully described.

LEAFLETS

Safeguarding identification of cotton bales. George E. Gaus. Production and Marketing Administration. 8 p., illus. (L 246.) Price 5¢.

Present inadequate methods of bale identification contribute to the risks in marketing cotton. This leaflet describes an effective way to mark cotton bales permanently at the gin by the use of a metal tag which has been developed and tested at the U. S. Cotton Ginning Laboratory, Stoneville, Miss.

* Compiled by Eleanor W. Clay, Office of Information.

CIRCULARS

Water input used for field crops at the United States Scotts Bluff (Nebr.) Field Station, 1941-44. Carl S. Scofield and Orlando W. Howe. Bureau of Plant Industry, Soils, and Agricultural Engineering. 18 p., illus. (C 777.) Price 10¢.

The results of investigations on the quantities of precipitation and irrigation water involved in the production of several field crops at the U. S. Scotts Bluff (Nebr.) Field Station are given.

Effects of awns on yield and market qualities of wheat. C. A. Suneson, B. B. Bayles, and C. C. Field. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p. (C 783.) Price 5¢.

This circular gives the effects of awns on the development of the wheat kernel.

Angora rabbit wool production. Thora M. Plitt Hardy and Ethel H. Dolnick. Bureau of Animal Industry. 22 p., illus. (C 785.) Price 10¢.

This publication answers many questions on the raising and handling of angora rabbits for the production of rabbit wool.

MISCELLANEOUS PUBLICATIONS

Directory of activities of the Bureau of Plant Industry, Soils, and Agricultural Engineering, 1947. Bureau of Plant Industry, Soils and Agricultural Engineering. 157 p. (M 645.) Price 30¢. For sale only.¹

This directory is issued for the information of employees, cooperators, and others interested in the work of the Bureau of Plant Industry, Soils, and Agricultural Engineering. Included are brief statements of the history and functions of the Bureau, an organization chart, and a map showing the locations of field activities.

Experimental compression of dehydrated foods. Agricultural Research Administration. 57 p., illus. (M 647.) Price 25¢.

Problems of handling, transportation, and storage of foods for overseas shipment during World War II emphasized the need for reducing the bulk of such foods as far as possible. This publication reports the results of investigations on compressed dehydrated foods.

Lonchocarpus, derris, and pyrethrum cultivation and sources of supply. E. C. Higbee. Office of Foreign Agricultural Relations. 36 p., illus. (M 650.) Price 15¢. For sale only.¹

This bulletin gives the culture and sources of the above three plants used in the preparation of commercial insecticides.

SERVICE AND REGULATORY MATERIAL

Notices of judgment under the Insecticide Act, 1976-2015. Production and Marketing Administration. Pp. 651-674.

Service and regulatory announcements. Bureau of Animal Industry. Pp. 39-48. (SRA-BAI 493.) Price 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

Johnson County, Indiana. Series 1938, No. 13. Bureau of Plant Industry, Soils and Agricultural Engineering in cooperation with the Purdue University Agricultural Experiment Station. 105 p., illus. Price \$1.25.

Tazewell County, Virginia. Series 1938, No. 18. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Virginia Agricultural Experiment Station and the Tennessee Valley Authority. 176 p., illus. Price \$1.25.

Transylvania County, North Carolina. Series 1938, No. 17. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the North Carolina Agricultural Experiment Station and the Tennessee Valley Authority. 112 p., illus. Price \$1.00.

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TECHNICAL BULLETINS

Bacteriological changes during the fermentation of certain brined and salted vegetables. John L. Etchells, Ivan D. Jones and William M. Lewis. Bureau of Agricultural and Industrial Chemistry and the North Carolina Agricultural Experiment Station. 64 p., illus. (T 947.) Price 15¢.

Results of a bacteriological investigation dealing with the preservation of a number of vegetables by the use of one or more brining and dry-salting treatments are presented.

Anatomy and morphology of the vegetative organs of *Sorghum vulgare*. Ernst Artschwager. Bureau of Plant Industry, Soils, and Agricultural Engineering. 55 p., illus. (T 957.) Price 20¢.

In the present contribution, characteristics of the sorghum plant are treated in some detail. This bulletin will be of value to the plant geneticist and pathologist.

OTHER PUBLICATIONS

More eggs from Alaska flocks. Stanley L. Balloun. Matanuska Experiment Station, Alaska. Folder. (AESC 8.) Price 5¢. For sale only.¹

Potato storage in Alaska's Matanuska Valley. Alfred D. Edgar and Don Irwin. Bureau of Plant Industry, Soils, and Agricultural Engineering and the Alaska Agricultural Experiment Station. 25 p., illus. (AESC 7.) Price 10¢. For sale only.¹

Vanilla culture in Puerto Rico. Norman F. Childers and Héctor R. Cibes. Federal Experiment Station in Puerto Rico. 94 p., ill. (PRC 28.) Price 20¢. For sale only.¹

PERIODICALS

The agricultural situation. Vol. 32, No. 7, July 1948. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 7, No. 5, May 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.¹

Bibliography of agriculture. Vol. 12, No. 6, June 1948; Vol. 12, No. 7, July 1948. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.¹

Fire control notes. Vol. 9, Nos. 2 and 3, April and July 1948. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. XII, No. 7, July 1948. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

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Separate, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 77, No. 1. July 1, 1948. Illus. Contents:

Strains of cucumber mosaic virus pathogenic on crucifers (Key No. Wis.-163). Glen S. Pound and J. C. Walker.

Production of *Derris elliptica* in relation to type of cutting and age at harvest. (Key No. P. R.-9). David G. White, Caleb Pagan and Merriam A. Jones.

The effect of benzene hexachloride on soil organisms (Key No. N. Y. (Cornell)-61). J. K. Wilson and R. S. Choudhri.

— Vol. 77, No. 2. July 15, 1948. Illus. Contents:

Sesquidiploid F_1 hybrids of *Lycopersicon esculentum* and *L. peruvianum* (Key No. G-1393). G. W. Bohn.

Seasonal variations of carotene and other nutritionally important constituents in the two pasture grasses dallis and carpet (Key No. La.-7). J. R. Kuppers, L. L. Rusoff and D. M. Sheath.

Soil conservation. Vol. XIII, No. 12. July 1948. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

The following four films, prepared by the Soil Conservation Service especially for use in schools, tells the complete story of the value of our soil and water resources, what is happening to them, and what we may do to conserve them. Each film may be used independently, but for maximum educational value the entire series should be shown, one film per study period. The films are suitable for use in either rural or urban schools at any level above the fourth grade. Teaching guides are available with these films. (Not in film libraries; available for loan from regional offices of the Soil Conservation Service, and for sale.)

EROSION. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 10 minutes.

SOIL AND WATER CONSERVATION. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 9 minutes.

TOPSOIL. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 10 minutes.

WATER. 16 mm. and 35 mm., black and white, sound, released 1948. Running time 9 minutes.

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